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U.S.PTO

Rev 01/30/04

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.: S-100,604

First Inventor or Application Identifier: Thomas C. Terwilliger

Title: STATISTICAL DENSITY MODIFICATION USING LOCAL
PATTERN MATCHING

Express Mail Label No.: ER 311845960 US

APPLICATION ELEMENTS		ADDRESS TO: Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450	
<p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO/SB/17) <i>(submit an original and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages: 39] <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Descriptive title of the Invention <input type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Statement Regarding Fed sponsored R&D <input type="checkbox"/> Reference to sequence listing, a table or a computer program listing appendix <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Detailed Description <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure </p> <p>4. <input checked="" type="checkbox"/> Drawings(s) (35 U.S.C.113) [Total Sheets: 15] <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Formal <input type="checkbox"/> Informal </p> <p>5. <input checked="" type="checkbox"/> Declaration & Power of Attorney <ul style="list-style-type: none"> [Total Pages: 2] <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. 63(d)) <i>(for continuation/divisional with Box 16 completed)</i> c. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b). </p>		<p>6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Copy b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies </p>	
ACCOMPANYING APPLICATION PARTS			
<p>8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documentation)</p> <p>9. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>11. <input type="checkbox"/> Preliminary Amendment</p> <p>12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(should be specifically itemized)</i></p> <p>13. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>14. <input type="checkbox"/> Nonpublication Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i)</p> <p>15. <input checked="" type="checkbox"/> Other: Compact Disc Transmittal Letter with 2 CDs</p>			

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP) of prior application S.N. .

Prior application information: Examiner: Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

16. CORRESPONDENCE ADDRESS

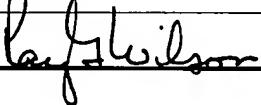
<input checked="" type="checkbox"/> Customer Number 35068	OR <input type="checkbox"/> Correspondence Address Below
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35068

Name: Ray G. Wilson	Address: Los Alamos National Laboratory, LC/IP, MS A187	
City: Los Alamos	State: New Mexico	Zip Code: 87545
Country: United States	Telephone: (505) 665-3112	Fax: (505) 665-4424
Name: Ray G. Wilson	Registration No.: 28,351	
Signature: <i>Ray G. Wilson</i>	Date: April 08, 2004	

16018 U.S.PTO
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FEE TRANSMITTAL For FY 2004		Complete if Known																																																																																																																																																																																																																												
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<input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee</th> <th style="text-align: left;">Small Entity Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>\$770</td><td>\$385</td><td>Utility filing fee</td><td></td></tr> <tr><td>\$770</td><td>\$385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>\$160</td><td>\$80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="2"></td><td>SUBTOTAL (1)</td><td style="text-align: right;">\$385.00</td></tr> </tbody> </table> 1. 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Printed Name:	Ray G. Wilson		Reg. No.	28,351																																																																																																																																																																																																																										
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			Telephone	(505) 665-3112																																																																																																																																																																																																																										

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas C. Terwilliger

Docket No.: S-100,604

For : STATISTICAL DENSITY MODIFICATION USING LOCAL PATTERN
MATCHING

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

COMPACT DISC TRANSMITTAL LETTER

Sir:

Machine format

Dell PC

Operating system

Windows 2000 Professional

Files

File Name	Date Created	File Size
resolve_pattern_2.05.f	July 7, 2003	1,028 KB
resolve_2.05.f	July 7, 2003	5,935 KB
resolve_pattern_allocate_2.05.c	July 7, 2003	38 KB
resolve_allocate-2.05.c	July 7, 2003	43 KB
tabulate.f	July 7, 2003	82 KB
index_setup.f	July 7, 2003	59 KB
analyze_tabulate.f	July 7, 2003	71 KB

The compact disc is submitted in duplicate. Copy 1 and Copy 2 are identical.

Respectfully submitted,

Date: April 8, 2004

 Signature of Attorney

 Reg. No. 28,351
 Phone (505) 665-3112

 Ray G. Wilson
 Los Alamos National Laboratory
 LC/IP, MS A187
 Los Alamos, New Mexico 87545